Dustron Series

Welding / Grinding / Sanding Booth

The Industry Leader in "Push-Pull" Regain Air

High Capture Velocity

Other dust booths depend on air suction velocity of only 140 FPM, while a regain air booth can generate positive velocities of over 400 FPM. The Dustron's fully adjustable Regain Air System provides working area velocities of 400/800 FPM. The timer-controlled, automatic self-cleaning system consisting of solenoids, dump valves, and blow-down pipes assures that the booth maintains consistent capture velocity.

Efficient, Quiet Operation

Low speed, high flow blowers have airfoil blades for high fan efficiency as well as low noise. Noise levels are also minimized with sound-insulated blower chamber, ductwork and Regain Air plenum.

Ultra-Efficiency Nanofiber Filters

Rated at MERV 15 efficiency, the Dustron's nanofiber cartridge filters operate at a 40-60% lower pressure drop than traditional cartridge medias, resulting in lower energy consumption and a longer filter life. Cartridges are vertically oriented to provide even, full-capacity filter loading and cleaning.

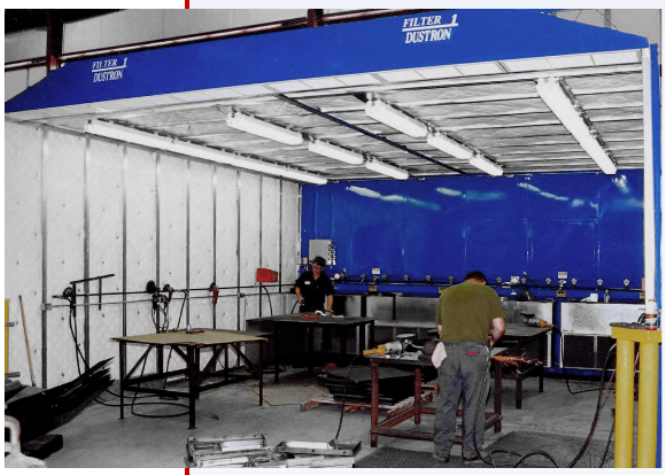
Enhancing the Work Environment

Noise Control

Solid Construction: Standard booth built with 18 gauge steel walls and ceiling. **High-Density Insulation:** Sound-absorbing mats of two-inch fiberglass compressed to one inch applied to inside surfaces of booth. **Outer Layer:** Further enhancement of sound attenuation with 5 mil. aluminized vinyl impregnated fiberglass cloth covering of mat with Class 2 fire-retardant treatment.

Visibility

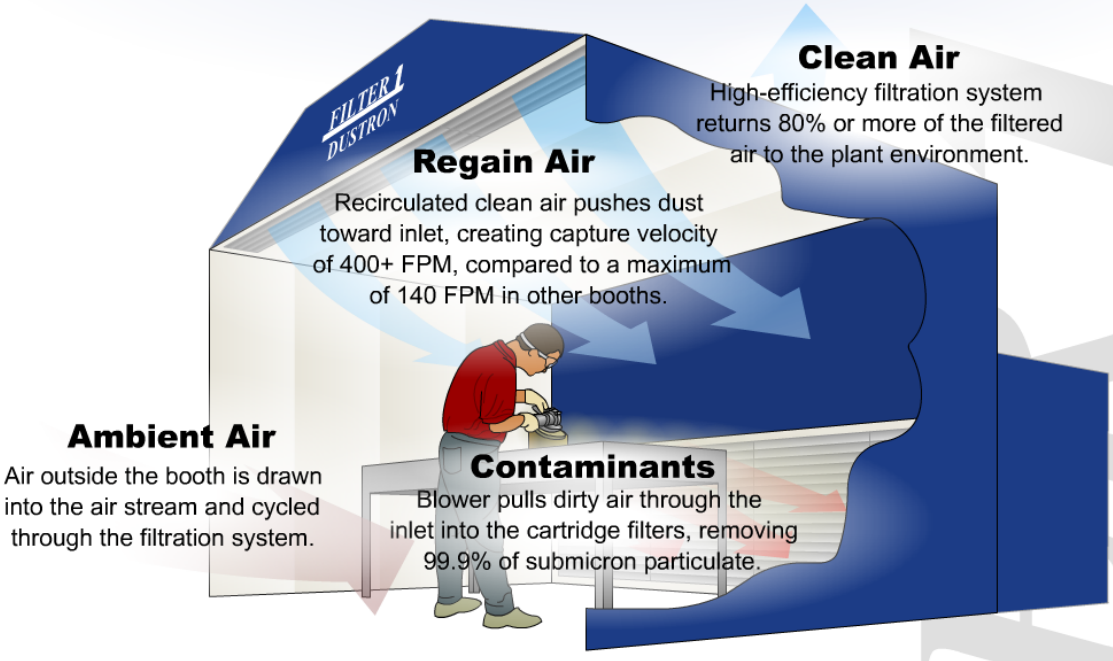
Integral Lighting: Sealed and gasketed dust-tight flourescent lights. **Clean Air Curtain:** Clean, filtered air from the Regain Air plenum pushes contaminants away from the breathing zone, providing improved visibility as well as promoting comfort and health.



Dust Control Booths

Dustron Series

The 99.9% Efficient Dust Collector Booth



Clean Air
High-efficiency filtration system returns 80% or more of the filtered air to the plant environment.

Regain Air
Recirculated clean air pushes dust toward inlet, creating capture velocity of 400+ FPM, compared to a maximum of 140 FPM in other booths.

Ambient Air
Air outside the booth is drawn into the air stream and cycled through the filtration system.

Contaminants
Blower pulls dirty air through the inlet into the cartridge filters, removing 99.9% of submicron particulate.

MODEL	HxWxL*	FILTERS-SQ FT	HP
DB-8-12	90" X 8' X 8'	12 - 3000	7.5
DB-10-14	90" X 8' X 10'	14 - 3500	7.5
DB-12-18	90" X 8' X 12'	18 - 4500	15
DB-16-24	90" X 8' X 16'	24 - 6000	2x7.5
DB-20-28	90" X 8' X 20'	28 - 7000	2x7.5
DB-24-36	90" X 8' X 24'	36 - 9000	2x15
DB-30-42	90" X 8' X 30'	42 -10500	3x7.5

*Up to 70' Long: Consult Factory for Custom Dimensions

Standard Specifications

Cartridge Size	12.75" Dia. X 30" Long
Cartridge Area	Each Cartridge 250 ft^2
Gauge of Dust Collector Cabinet	12-14 ga. Carbon Steel
Gauge of Booth	18 ga. Galv. Carbon Steel
Blower Motor	208-230/460/60/3 TEFC
Number of Valves	1 per 2 Cartridges
Face Velocity Created by Suction	150 FPM
Face Velocity Created by Regain Air	400/800 FPM
Regain Air	Adjustable from 0-50%
Dust Drawer Capacity	3 ft^3
Lighting	4 ft sealed fluorescent
Number of Light Fixtures	8'-2, 10'-3, 12'-4, 16'-6, 24'-7, 30'-8
Compressed Air Required	60 PSIG dry, clean air
Motor Starter	Included
Filter Media	Ultra-efficiency Nanofiber Media
Sound Control	Fiberglass compressed and quilted w/ 5 mil. aluminized vinyl-impregnated fiberglass cloth cover w/ U.L. Class 2 Fire-Retardant Treatment
Finish	Industrial Blue Enamel

Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.